

1. A liquid crystal display device comprising:  
an active matrix panel having a coloring member;  
a liquid crystal having spontaneous polarization,  
sealed in said active matrix panel;  
a writing/erasing unit for displaying an image on a  
frame by frame basis by repeating a data writing process  
and a data erasing process for said active matrix panel; and  
a write/erasure controller for controlling said  
writing/erasing unit to have a frequency in the data writing  
process at least twice higher than a frame frequency and to  
complete the data writing process and the data erasing  
process within one frame time so that time taken for  
transmission of light through said coloring member is not  
more than a half of one frame time.

said writing/erasure controller controls said writing/erasing unit to perform the data writing process and the data erasing process by using an entire one frame time.

3. The liquid crystal display device as set forth in claim 1, wherein

said writing/erasure controller controls said writing/erasing unit to provide within one frame time a period during which neither the data writing process nor the data erasing process is performed.

4. The liquid crystal display device as set forth in claim 1, further comprising:

a back-light for irradiating white light on said coloring member; and

a back-light controller for controlling said back-light to be turned on or off according to the data writing process and the data erasing process.

5. The liquid crystal display device as set forth in claim 2, further comprising:

a back-light for irradiating white light on said coloring member; and

a back-light controller for controlling said back-light to be turned on or off according to the data writing process and the data erasing process.

6. The liquid crystal display device as set forth in claim 3, further comprising:

a back-light for irradiating white light on said coloring member; and

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7. A liquid crystal display method using a liquid crystal display device constructed by sealing a liquid crystal having spontaneous polarization in an active matrix panel including a coloring member, comprising the steps of:

setting a frequency in the data writing process at least twice higher than a frame frequency and completing the data writing process and the data erasing process within one frame time so that time taken for transmission of light through the coloring member is not more than a half of one frame time.

the data writing process and the data erasing process are performed using an entire one frame time.

9. The liquid crystal display method as set forth in claim 7, wherein

a period during which neither the data writing process nor the data erasing process is performed is provided within one frame time.

10. The liquid crystal display method as set forth in claim 7, wherein

white light is irradiated on the coloring member, and irradiation/non-irradiation of the white light is controlled according to the data writing process and the data erasing process.

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